FORM PTO-1390 (REV. 10-2003) U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE ATTORNEY'S DOCKET NUMBER 1111-29 TRANSMITTAL LETTER TO THE UNITED STATES U.S. APPLICATION NO. (If know DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371 INTERNATIONAL APPLICATION NO. INTERNATIONAL FILING DATE PCT/GB03/005029 -19 Nov 2003 Nov 2002 22 TITLE OF INVENTION METHOD AND APPARATUS FOR DETECTING MASTITIS APPLICANT(S) FOR DO/EO/US WRIGHT, David Kent; FULLAM, Philip Stephen Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information: 1. This is a FIRST submission of items concerning a filing under 35 U.S.C. 371. 2. This is a SECOND or SUBSEQUENT submission of items concerning a filing under 35 U.S.C. 371. 3. X This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below. The US has been elected (Article 31). 5. X A copy of the International Application as filed (35 U.S.C. 371(c)(2)) is attached hereto (required only if not communicated by the International Bureau). kas been communicated by the International Bureau. is not required, as the application was filed in the United States Receiving Office (RO/US). 6. An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)). is attached hereto. \mathbf{X} has been previously submitted under 35 U.S.C. 154(d)(4). Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)) are attached hereto (required only if not communicated by the International Bureau). have been communicated by the International Bureau. have not been made; however, the time limit for making such amendments has NOT expired. have not been made and will not be made. 8. An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371 (c)(3)). 9. An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)). will follow 10. An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)). Items 11 to 20 below concern document(s) or information included: An Information Disclosure Statement under 37 CFR 1.97 and 1.98. 11. \square 12. An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included. 13. 🗔 A preliminary amendment. 14. 🗖 An Application Data Sheet under 37 CFR 1.76. 15. A substitute specification. 16. A power of attorney and/or change of address letter. will follow 17. A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 - 1.825. A second copy of the published international application under 35 U.S.C. 154(d)(4). 18. A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4). Other items or information:

page 1 of 2

	1-4						
U.S. APPLICATION IN GREAT STATES AND INTERNATIONAL APPLICATION NO. PCT/GB03/005029					ATTURNEY'S DOCKET NUMBER 1111-29		
21. The following fees are submitted: See also Fee						PTO USE ONLY	
Neither internation	L FEE (37 CFR 1.492 (a nal preliminary examina earch fee (37 CFR 1.445 Search Report not prepar	1					
International preli	minary examination fee (national Search Report pr						
International preliminary examination fee (37 CFR 1.482) not paid to USPTO but international search fee (37 CFR 1.445(a)(2)) paid to USPTO							
but an claims aid i	minary examination fee (not satisfy provisions of I						
and all claims satis	minary examination fee (1			
	R APPROPRIATE	\$	1000				
Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(e)).							
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE	\$			
Total claims Independent claims	- 20 =		x \$18.00	\$			
	-3 =		x \$86.00	\$			
MULTIFLE DEFEN	MULTIPLE DEPENDENT CLAIM(S) (if applicable) + \$290.00			\$ \$ 1			
TOTAL OF ABOVE CALCULATIONS = Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above					000		
are reduced by 1/2.					500		
Processing fee of \$130.00 for furnishing the English translation later than 30 months					500		
noin the earnest claimed priority date (37 CFR 1.492(1)).							
TOTAL NATIONAL FEE = Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be					500		
accompanied by an a	ppropriate cover sheet (3	\$					
TOTAL FEES ENCLOSED =					500		
					int to be funded:	\$	
					charged:	\$	
a. A check in the amount of \$ to cover the above fees is enclosed. b. Please charge my Deposit Account No in the amount of \$ to cover the above fees. A duplicate copy of this sheet is enclosed.							
c. The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 080879. A duplicate copy of this sheet is enclosed.							
d. Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.							
NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137 (a) or (b)) must be filed and granted to restore the application to pending status.							
SEND ALL CORRESPONDENCE TO:							
	r No. 24106		U//				
	n & Egbert		signātur John	7	Egbert	1	
	n St., 7th F						
Houston, Texas 77002 NAME							
US			3062			<u> </u>	
•			REGISTRA	TION N	UMBER		

FORM PTO-1390 (REV 10-2003) page 2 of 2



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

EXPRESS MAIL CERTIFICATE

Commissioner for Patents P. O. Box 1450 Alexandria, VA 22313-1450

Sir:

"Express Mail" Label Number: ** (EV506294037US)

Date of Deposit:

MAY 2 0 2005

I hereby certify that the attached document with the corresponding Express Mail label number is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is address to the Commissioner of Patents and Trademarks, Washington, D.C. 20231.

Respectfully submitted,

5.2n.05

Date

John S. Egbert Reg. No. 30,627

Attorney for Applicant

Harrison & Egbert 412 Main Street, 7th Floor Houston, Texas 77002 (713)224-8080 (713)223-4873 (Fax)

JC20 Rec'd PCT/PTO 2 0 MAY 2005

Under the Paperwork Reduced of 1995, no persons are requ	U.S. Patent and T r. Office; U.S. DEPARTMENT OF COMMERCE nucleo to respond to a collection of international number.				
FEE TRANSMITTA					
I LL IIVANOMII IA	Application Number PCT/GB03/005029				
for FY 2005	Filing Date 19 Nov 2003				
Effective 10/01/2003. Patent lees are subject to annual revision					
X Applicant claims small entity status. See 37 CFR 1.27	Examiner Name				
500	Art Unit				
TOTAL AMOUNT OF PAYMENT (\$) 500	Attorney Docket No. 1111-29				
METHOD OF PAYMENT (check all that apply)	FEE CALCULATION (continued)				
Check X Credit card Money Order None Deposit Account:	3. ADDITIONAL FEES Large Entity/Small Entity Fee Fee Fee Fee Fee Fee Fee Fee Fee Fe				
Deposit Account 08-0879	Code (\$) Fee Description Fee Paid				
Number Deposit	1111/2111 500.00/250.00 Utility Search Fee 1112/2112 100.00/50.00 Design Search Fee				
Account Name	1113/2113 300.00/150.00 Plant Search Fee 1114/2114 500.00/250.00 Reissue Search Fee				
The Director is authorized to: (check all that apply)	1311/2311 200.00/100.00 Utility Examination Fee				
Charge fee(s) indicated below Credit any overpayments Charge any additional fee(s) or any underpayment of fee(s)	1312/2312 130.00/65.00 Design Examination Fee 1313/2313 160.00/80.00 Plant Examination Fee				
Charge fee(s) indicated below, except for the filing fee	1314/2314 600.00/300.00 Reissue Examination Fee 1201/2201 200.00/100.00 Independent claims in excess of three				
to the above-identified deposit account.	1202/2202 50.00/25,00 Claims in excess of twenty 1051/2051 130,00/65.00 Surcharge-Late filing fee oath/dectaration				
FEE CALCULATION	1251/2251 120.00/60.00 Extension for response within first month				
1. BASIC FILING FEE	1252/2252 450.00/225.00 Extension for response within second month 1253/2253 1,020.00/510.00 Extension for response within third month				
Large Entity Small Entity Fee Fee Fee Fee Fee Peloscription Fee Paid	1462 400.00 Petitions to the Director (Group I) 1463 200.00 Petitions to the Director (Group II)				
Code (\$) Code (\$)	1464 130.00 Petitions to the Director (Group III)				
1011 300 1011 (SO Utility filing fee	1452/2452 500.00/250.00 Petition to revive unavoidably abandoned 1453/2453 1,500.00/750.00 Petition to revive unintentionally abandoned				
Ocsign ming lea	1631/2631 300.00/150.00 Basic National Stage Fee				
1013 200 2013 100 Plant filing fee	1633/2633 200.00/100.00 National Stage Examination Fee				
1005 200 2005 100 Provisional filing fee	1615/2615 50.00/25.00 Claims - extra total (over twenty)				
SUBTOTAL (1) (\$)	1616/2616 360.00/180.00 Claims - multiple dependent				
2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE	1618 130,00 English trans, after 30 mos from priority				
Fee from	1501 1,330 2501 665 Utility issue fee (or reissue)				
Total Claims	1502 480 2502 240 Design issue fee				
Independent -3" = X	1503 640 2503 320 Plant Issue fee				
Multiple Dependent	1460 130 1460 130 Petitions to the Commissioner 1807 50 1807 50 Processing fee under 37 CFR 1.17(q)				
Large Entity Small Entity Fee Fee Fee Fee Fee Description	1806 180 1806 180 Submission of Information Disclosure Stmt				
Code (\$) Code (\$)	esse as Recording each patent assignment per				
1202 18 2202 9 Claims in excess of 20	1809 770 2809 385 Filing a submission after final rejection				
1201 86 2201 43 Independent claims in excess of 3	(37 CFR 1.129(a))				
1203 290 2203 145 Multiple dependent claim, if not paid 1204 86 2204 43 "Reissue Independent claims	1810 770 2810 385 For each additional invention to be examined (37 CFR 1.129(b))				
over original patent	1801 770 2801 385 Request for Continued Examination (RCE)				
1205 18 2205 9 ** Reissue claims in excess of 20 and over original patent	1802 900 1802 900 Request for expedited examination of a design application				
SUBTOTAL (2) (\$)	Other fee (specify)				
or number previously paid, if greater, For Reissues, see above	*Reduced by Basic Filing Fee Paid SUBTOTAL (3) (\$) 500				
SUBMITTED BY (Complete (# applicable))					
Name (PrintType) John S. Egber	Registration No. 30627 Telephone 713224-8080				
Signature	(Attornev/Agent) 30027 Pate 5.3.0.06				

WARNING: Information on this form may become public. Credit card information should not be included on this form Provide credit card information and authorization on PTO-2038.

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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(Fee Transmittal (PTO/SB/17) [5-7.1]-page 1 of 1)